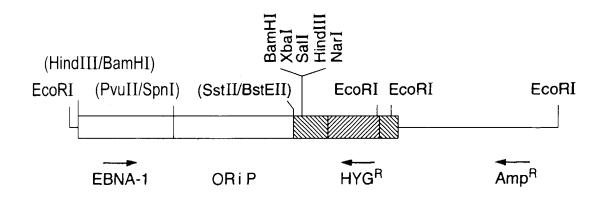
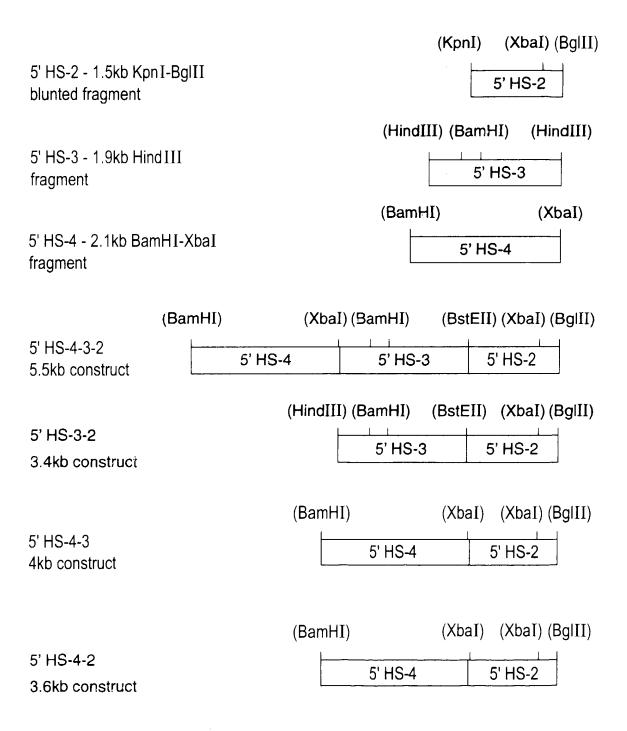
## FIG. 1



рþ		
1-35		pBR322
36-2646		EBV EBNA-1 107567-110176 (Baer et. al., Nature 310:1984) Bam HI-PvuII fragment. Bam HI site was blunt-end ligated to the HindIII site.
2647-4826		EBV OriP 7333-9516 SphI-SstII sites blunt-end ligated to the BstEII site. (Sugden et. al., MCB 5:410, 1985)
4827-5460 6488-6747		HSV TK regulatory region (McKnight, S.L., Nucleic Acids Res. 8, 5949, 1980)  PvuII fragment ligated into the poisonless pBR322 at NaeI site. These sites lost in cloning.
5461-6487		HPH gene (Gritz and Davies, Gene 25:179, 1983) Ban HI fragment blunt-end ligated into the SmaI and BglII sites in HSV TK sequences.
6748-8952	<del></del>	pBR322 poisonless vector (deletion of 1.1 kb in pBR322) confers ampicillin resistance. (Lusky & Botchan, Nature 293:79, 1981)

- EcoRV I.9003 AMP R β-Globin HYG R HmsB Xbal Sall — HindIII (Natl) FIG. 2 OriP ViotI ClaI HindIII SpeI KpnI SalI SalI EBNA-1 [Roo3] VRoo∃ Ţ GSE 1758

## FIG. 3



## FIG. 4

S1 analysis of K562 cells containing human ß-globin on an EBV based vector

